L Number	Hits	Search Text	DB	Time stamp
1	400	(704/246).CCLS.	USPAT;	2003/06/18 18:14
			EPO; JPO;	
			DERWENT; IBM TDB	
2	2	((704/246).CCLS.) and ((director\$3 or	USPAT;	2003/06/18 18:15
_	_	inventor\$3 or warehouse\$1 or shop\$1 or	EPO; JPO;	2003,00,10 10.13
		floor\$1) near (manag\$3 or management)) and	DERWENT;	
		((voice or speech or audio) near	IBM_TDB	
2	2	recognition\$1)	110D2m.	2002/06/10 10:16
3		((704/246).CCLS.) and ((director\$3 or inventor\$3 or warehouse\$1 or shop\$1 or	USPAT; EPO; JPO;	2003/06/18 18:16
		floor\$1) near (manag\$3 or management))	DERWENT;	
			IBM TDB	
4	509	(704/251).CCLS.	USPĀT;	2003/06/18 18:15
			EPO; JPO;	
			DERWENT;	
5	0	((704/251).CCLS.) and ((director\$3 or	IBM_TDB USPAT;	2003/06/18 18:16
		inventor\$3 or warehouse\$1 or shop\$1 or	EPO; JPO;	2003/00/10 10.10
		<pre>floor\$1) near (manag\$3 or management))</pre>	DERWENT;	
_		4	IBM_TDB	
6	184	(704/272).CCLS.	USPAT;	2003/06/18 18:16
			EPO; JPO;	
			DERWENT; IBM TDB	
7	1	((704/272).CCLS.) and ((director\$3 or	USPAT;	2003/06/18 18:16
		inventor\$3 or warehouse\$1 or shop\$1 or	EPO; JPO;	
		floor\$1) near (manag\$3 or management))	DERWENT;	
8	730	(704/275).CCLS.	IBM_TDB USPAT;	2003/06/18 18:16
0	/30	(104/273).CCL3.	EPO; JPO;	2003/06/18 18:16
			DERWENT;	
_	,		IBM_TDB	
9	1.		USPAT;	2003/06/18 18:16
		<pre>inventor\$3 or warehouse\$1 or shop\$1 or floor\$1) near (manag\$3 or management))</pre>	EPO; JPO; DERWENT;	
		1100191/ Hear (Manages of Management)	IBM TDB	
10	252	(704/276).CCLS.	USPAT;	2003/06/18 18:16
			EPO; JPO;	
			DERWENT;	
11	o	((704/276).CCLS.) and ((director\$3 or	IBM_TDB USPAT;	2003/06/18 18:17
••		inventor\$3 or warehouse\$1 or shop\$1 or	EPO; JPO;	2003/00/18 10.17
		<pre>floor\$1) near (manag\$3 or management))</pre>	DERWENT;	
	_	(m c 1 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	IBM_TDB	
-	2	("6157705").PN.	USPAT;	2003/02/04 13:28
			EPO; JPO; DERWENT;	
			IBM TDB	
-	2	("6092045").PN.	USPĀT;	2003/02/04 13:38
			EPO; JPO;	
			DERWENT;	
_	34875	locator	IBM_TDB USPAT;	2003/02/04 13:38
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	0000/00/01 15
-	48	locator and locate and aisle	USPAT; EPO; JPO;	2003/02/04 13:38
			DERWENT;	
			IBM_TDB	
-	1	("6507352").PN.	USPĀT;	2003/02/05 11:46
			EPO; JPO;	
			DERWENT;	
_	1031	 bin adj number	USPAT;	2003/02/05 11:46
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	

_	107	(bin adj number) same display	USPAT;	2003/02/05 12:00
			EPO; JPO;	
			DERWENT;	
1			IBM TDB	į.
_	80	((bin adj number) same display) and locat\$		2002/02/05 11:47
	1	((bill ad) number) same display) and locats	USPAT;	2003/02/05 11:47
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	131	((row or slot) adj location) same display	USPAT;	2003/02/05 12:01
	1		EPO; JPO;	
			DERWENT;	
	131	///	IBM_TDB	0000/00/05 40 04
	131	(((row or slot) adj location) same	USPAT;	2003/02/05 12:01
		display) and locat\$	EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	131	(((row or slot) adj location) same	USPAT;	2003/02/05 12:14
		display) and display	EPO; JPO;	, , , , , , , , , , , , , , , , , , , ,
	1		DERWENT;	
ļ			IBM TDB	
_	5	(slot adj row) adj location		2002/02/05 10:15
	1	(Sice adj 10w) adj 100at10H	USPAT;	2003/02/05 12:15
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	0	(slot adj "and" adj row) adj location	USPAT;	2003/02/05 12:15
		-	EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	0	slot adj "and" adj row	USPAT:	2002/02/05 12:16
		0100 day and day row	·	2003/02/05 12:16
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	63071	row and slot	USPĀT;	2003/02/05 12:17
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
l _	2468	(row and slot) same location	USPAT;	2003/02/05 12:18
	2400	(100 and 5100) Same 10Catton		2003/02/03 12:18
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	640	((row and slot) same location) and display	USPAT;	2003/02/05 12:18
	1		EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	1344	(row same slot) same location	USPAT;	2003/02/05 12:18
			EPO; JPO;	2003,02,03 12.10
			DERWENT;	
_	220	//mov. como oloh) leville	IBM_TDB	0000/00/55
_	239	((row same slot) same location) and	USPAT;	2003/02/05 12:18
		display	EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	2	("6148291").PN.	USPAT;	2003/02/05 13:37
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	434	((item\$1 or shelf or shelves or location\$1	USPAT;	2003/06/17 14:26
	134	or bin\$1 or aisle\$1) same (locator\$1 or		2003/00/1/ 14:26
			EPO; JPO;	
		location\$1 or locating or inventor\$3) same	DERWENT;	
		(talk\$3 or voice or speech\$1 or audio))	IBM_TDB	
		and (recognition or recogniz\$3) and		
		(shopper\$1 or shopping or shop\$1 or		
		retail\$2 or cart\$1) and ((speech\$1 or		
		voice or audio) near3 (recogni\$4)) and	1	
		(DSP or processor\$1 or CPU or		
		microprocessor\$1)		
· · · · · · · · · · · · · · · · · · ·	la		1	

-	11	(((item\$1 or shelf or shelves or location\$1 or bin\$1 or aisle\$1) same (locator\$1 or location\$1 or locating or	USPAT; EPO; JPO; DERWENT;	2003/06/17 14:27
		inventor\$3) same (talk\$3 or voice or speech\$1 or audio)) and (recognition or	IBM_TDB	
		recogniz\$3) and (shopper\$1 or shopping or shop\$1 or retail\$2 or cart\$1) and		
		((speech\$1 or voice or audio) near3 (recogni\$4)) and (DSP or processor\$1 or CPU or microprocessor\$1)) and ((hidden adj		
-	0	markov) or HMM) ((((item\$1 or shelf or shelves or	USPAT;	2003/06/17 14:27
		location\$1 or bin\$1 or aisle\$1) same (find\$3 or locator\$1 or location\$1 or locating or inventor\$3) same (talk\$3 or	EPO; JPO; DERWENT;	
		voice or speech\$1 or audio)) and (recognition or recogniz\$3) and (shopper\$1	IBM_TDB	
		or shopping or shop\$1 or retail\$2 or cart\$1) and ((speech\$1 or voice or audio)		
		near3 (recogni\$4)) and (DSP or processor\$1 or CPU or microprocessor\$1)) and ((hidden adj markov) or HMM)) not ((((item\$1 or		
		shelf or shelves or location\$1 or bin\$1 or aisle\$1) same (locator\$1 or location\$1 or		
		locating or inventor\$3) same (talk\$3 or voice or speech\$1 or audio)) and (recognition or recogniz\$3) and (shopper\$1		
		or shopping or shop\$1 or retail\$2 or cart\$1) and ((speech\$1 or voice or audio)		
		near3 (recogni\$4)) and (DSP or processor\$1 or CPU or microprocessor\$1)) and ((hidden adj markov) or HMM))		
_	11	(((item\$1 or shelf or shelves or location\$1 or bin\$1 or aisle\$1) same	USPAT; EPO; JPO;	2003/06/17 14:27
		<pre>(find\$3 or locator\$1 or location\$1 or locating or inventor\$3) same (talk\$3 or voice or speech\$1 or audio)) and</pre>	DERWENT; IBM_TDB	
		(recognition or recogniz\$3) and (shopper\$1 or shopping or shop\$1 or retail\$2 or		*
		<pre>cart\$1) and ((speech\$1 or voice or audio) near3 (recogni\$4)) and (DSP or processor\$1 or CPU or microprocessor\$1)) and ((hidden</pre>		
-	448	adj markov) or HMM) ((item\$1 or shelf or shelves or location\$1	USPAT;	2003/06/17 16:29
		or bin\$1 or aisle\$1) same (find\$3 or locator\$1 or location\$1 or locating or inventor\$3) same (talk\$3 or voice or	EPO; JPO; DERWENT; IBM TDB	
		<pre>speech\$1 or audio)) and (recognition or recogniz\$3) and (shopper\$1 or shopping or shop\$1 or retail\$2 or cart\$1) and</pre>	_	
		((speech\$1 or voice or audio) near3 (recogni\$4)) and (DSP or processor\$1 or		
_	641	CPU or microprocessor\$1) directory near2 assistan\$2	USPAT; EPO; JPO;	2003/06/17 16:29
			DERWENT; IBM_TDB	
_	499	(directory near2 assistan\$2) and (locat\$3 or find\$3)	USPAT; EPO; JPO; DERWENT;	2003/06/17 16:51
_	194	((directory near2 assistan\$2) and (locat\$3 or find\$3)) and ((voice or speech or	IBM_TDB USPAT; EPO; JPO;	2003/06/17 16:34
	210	audio) near recognition\$1)	DERWENT; IBM_TDB	
	312	kiosk\$1 same shop\$4	USPAT; EPO; JPO; DERWENT;	2003/06/17 16:34
			IBM TDB	

-	42	(kiosk\$1 same shop\$4) and ((voice or	USPAT;	2003/06/17 16:38
		speech or audio) near recognition\$1)	EPO; JPO;	1
			DERWENT;	
			IBM_TDB	
-	3046	(director\$3 or inventor\$3) near (manag\$3	USPAT;	2003/06/17 16:37
		or management)	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	3658	(director\$3 or inventor\$3 or warehouse\$1	USPAT;	2003/06/17 16:38
		or shop\$1 or floor\$1) near (manag\$3 or	EPO; JPO;	
		management)	DERWENT;	
			IBM_TDB	
-	130	((director\$3 or inventor\$3 or warehouse\$1	USPAT;	2003/06/18 18:15
		or shop\$1 or floor\$1) near (manag\$3 or	EPO; JPO;	
]	management)) and ((voice or speech or	DERWENT;	
		audio) near recognition\$1)	IBM_TDB	
-	211	(705/22).CCLS.	USPAT;	2003/06/17 16:50
			EPO; JPO;	
l			DERWENT;	
			IBM TDB	
-	3	((705/22).CCLS.) and ((voice or speech or	USPAT;	2003/06/17 16:50
1		audio) near recognition\$1)	EPO; JPO;	
		_	DERWENT;	
			IBM TDB	
 	1099	(705/24).CCLS.	USPAT;	2003/06/17 16:50
			EPO; JPO;	
			DERWENT;	
	1		IBM TDB	
-	3	((705/24).CCLS.) and ((voice or speech or	USPAT;	2003/06/17 16:51
		audio) near recognition\$1)	EPO; JPO;	
		•	DERWENT;	
			IBM TDB	
-	799	(705/26).CCLS.	USPAT;	2003/06/17 16:54
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	71	((705/26).CCLS.) and ((voice or speech or	USPAT;	2003/06/17 16:54
		audio) near recognition\$1)	EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	66	(((705/26).CCLS.) and ((voice or speech or	USPAT;	2003/06/17 17:10
		audio) near recognition\$1)) and (locat\$3	EPO; JPO;	
}		or find\$3)	DERWENT;	
			IBM TDB	1
-	526	(705/28).CCLS.	USPAT;	2003/06/17 16:55
			EPO; JPO;	
			DERWENT;	
			IBM TDB]
-	17	((705/28).CCLS.) and ((voice or speech or	USPAT;	2003/06/17 16:55
		audio) near recognition\$1)	EPO; JPO;	
		_	DERWENT;	
			IBM TDB	
-	158	(705/29).CCLS.	USPĀT;	2003/06/17 16:55
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
1 -	4	((705/29).CCLS.) and ((voice or speech or	USPAT;	2003/06/17 16:57
		audio) near recognition\$1)	EPO; JPO;	
1		•	DERWENT;	
			IBM TDB	
-	3639	(235/375).CCLS.	USPAT;	2003/06/17 16:58
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	41	((235/375).CCLS.) and ((voice or speech or	USPAT;	2003/06/17 16:59
		audio) near recognition\$1)	EPO; JPO;	
		-	DERWENT;	
			IBM TDB	
				I

	257	(235/376).CCLS.	USPAT;	2003/06/17 16:59
	257	(233/3/6).0013.	EPO; JPO;	2003/06/17 16:39
			DERWENT;	
			IBM TDB	
_	4	((235/376).CCLS.) and ((voice or speech or	USPĀT;	2003/06/17 16:59
		audio) near recognition\$1)	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	142	(235/377).CCLS.	USPAT;	2003/06/17 16:59
			EPO; JPO;	
			DERWENT; IBM TDB	
_	1	((235/377).CCLS.) and ((voice or speech or	USPAT;	2003/06/17 16:59
	_	audio) near recognition\$1)	EPO; JPO;	2003/00/1/ 10.33
			DERWENT;	
			IBM TDB	
-	119	(235/378).CCLS.	USPĀT;	2003/06/17 17:01
			EPO; JPO;	
			DERWENT;	
		//025/270\ 0070 \ 1	IBM_TDB	
-	0	((235/378).CCLS.) and ((voice or speech or	USPAT;	2003/06/17 17:01
		audio) near recognition\$1)	EPO; JPO; DERWENT;	
			IBM TDB	
_	703	(235/383).CCLS.	USPAT;	2003/06/17 17:03
		(,,	EPO; JPO;	2000,00,17 17.00
			DERWENT;	
			IBM TDB	
-	17	((235/383).CCLS.) and ((voice or speech or	USPĀT;	2003/06/17 17:03
		audio) near recognition\$1)	EPO; JPO;	
			DERWENT;	
_	504	(235/385).CCLS.	IBM_TDB	2002/06/17 17 02
	304	(233/363).CCL3.	USPAT; EPO; JPO;	2003/06/17 17:03
			DERWENT;	
			IBM TDB	
-	9	((235/385).CCLS.) and ((voice or speech or	USPAT;	2003/06/17 17:08
		audio) near recognition\$1)	EPO; JPO;	
			DERWENT;	
		10101570)	IBM_TDB	
-	0	(340/572).CCLS.	USPAT;	2003/06/17 17:08
			EPO; JPO; DERWENT;	
			IBM TDB	
-	653	(340/571).CCLS.	USPAT;	2003/06/17 17:08
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	3	((340/571).CCLS.) and ((voice or speech or	USPAT;	2003/06/17 17:10
		audio) near recognition\$1)	EPO; JPO;	
			DERWENT;	
_	1760	(707/104.1).CCLS.	IBM_TDB USPAT;	2003/06/17 17:10
	1,00	(.0.,, 101.1).0010.	EPO; JPO;	2003/00/1/ 1/:10
			DERWENT;	
			IBM TDB	
-	83	((707/104.1).CCLS.) and ((voice or speech	USPĀT;	2003/06/17 17:16
		or audio) near recognition\$1)	EPO; JPO;	
1			DERWENT;	
_	80	///707/104 1) CCTS \ and //	IBM_TDB	2002/06/17 17 17
1 -	80	(((707/104.1).CCLS.) and ((voice or speech or audio) near recognition\$1)) and	USPAT; EPO; JPO;	2003/06/17 17:16
1]	(locat\$3 or find\$3)	DERWENT;	
1			IBM TDB	
-	2065	(707/3).CCLS.	USPAT;	2003/06/17 17:16
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	

	-	102	((707/3).CCLS.) and ((voice or speech or audio) near recognition\$1)	USPAT; EPO; JPO;	2003/06/17 17:18
				DERWENT;	
			<u>.</u>	IBM_TDB	
-	_	98	(((707/3).CCLS.) and ((voice or speech or	USPAT;	2003/06/17 17:18
			<pre>audio) near recognition\$1)) and (locat\$3 or find\$3)</pre>	EPO; JPO; DERWENT;	
			01 11110437	IBM TDB	
Ì	_	2397	(707/10).CCLS.	USPAT;	2003/06/17 17:17
				EPO; JPO;	
1				DERWENT;	
		100	(/707/10) 0070)	IBM_TDB	2222/26/15 15 12
	-	102	((707/10).CCLS.) and ((voice or speech or audio) near recognition\$1)	USPĀT; EPO; JPO;	2003/06/17 17:18
İ			addio, hear recognitionary	DERWENT;	
				IBM TDB	
1	-	98	(USPĀT;	2003/06/17 17:18
			audio) near recognition\$1)) and (locat\$3	EPO; JPO;	
			or find\$3)	DERWENT;	
	_	2	("6497367").PN.	<pre>IBM_TDB USPAT;</pre>	2003/06/18 09:49
		_	(0137007) . 2	EPO; JPO;	2003/00/10 03.43
				DERWENT;	
		ا اِ		IBM_TDB	
	_	1 1		USPAT	2003/06/18 09:50
	_	1		USPAT USPAT	2003/06/18 09:50 2003/06/18 09:51
	_	6913	keyboard\$1 same menu	USPAT;	2003/06/18 14:27
			-	EPO; JPO;	
				DERWENT;	
	_	2279	(keyboard\$1 same menu) same program\$4	<pre>IBM_TDB USPAT;</pre>	2003/06/18 14:27
		2213	(keyboardar same menu) same programa4	EPO; JPO;	2003/06/18 14:27
				DERWENT;	
				IBM_TDB	
	-	3662	keyboard\$1 with menu	USPAT;	2003/06/18 14:27
		:		EPO; JPO; DERWENT;	
				IBM TDB	
	-	498	(keyboard\$1 with menu) with program\$4	USPAT;	2003/06/18 14:27
İ				EPO; JPO;	
ı				DERWENT;	
	_	170	((keyboard\$1 with menu) with program\$4)	<pre>IBM_TDB USPAT;</pre>	2003/06/18 14:28
			with (operat\$3 or manag\$5)	EPO; JPO;	2003/00/10 14.20
				DERWENT;	
		17	(IBM_TDB	0000/06/10 14 50
	_	17	<pre>(((keyboard\$1 with menu) with program\$4) with (operat\$3 or manag\$5)) and ((voice or</pre>	USPAT; EPO; JPO;	2003/06/18 14:59
			speech or audio) adj recognition\$1)	DERWENT;	
				IBM_TDB	
	-	80845	(digital-to-analog or (digital adj to adj	USPAT;	2003/06/18 14:58
			analog) or D/A)	EPO; JPO; DERWENT;	
				IBM TDB	
	-	3757		USPAT;	2003/06/18 14:59
			analog) or D/A)) same speaker\$1	EPO; JPO;	
				DERWENT;	
	_	199	(((digital-to-analog or (digital adj to	<pre>IBM_TDB USPAT;</pre>	2003/06/18 14:59
			adj analog) or D/A)) same speaker\$1) same	EPO; JPO;	2003,00,10 11.03
			(adapter\$1 or driver\$1)	DERWENT;	
	_	3.0	////digital_to_analag an //digital	IBM_TDB	2002/06/10 16 50
	-	38	<pre>((((digital-to-analog or (digital adj to adj analog) or D/A)) same speaker\$1) same</pre>	USPAT; EPO; JPO;	2003/06/18 16:52
			(adapter\$1 or driver\$1)) and ((voice or	DERWENT;	
-			speech or audio) adj recognition\$1)	IBM_TDB	
	-	0	recognizer\$1 and intepreter\$1 and ((voice	USPAT;	2003/06/18 15:37
			or speech or audio) adj recognition\$1)	EPO; JPO; DERWENT;	
				IBM TDB	
· L					

Search History 6/18/03 6:17:27 PM Page 6

-	4	recogniz\$3 and intepret\$3 and ((voice or	USPAT;	2003/06/18 15:47
1		speech or audio) adj recognition\$1)	EPO; JPO;	
1			DERWENT;	
			IBM TDB	
-	2	("4783803").PN.	USPAT;	2003/06/18 15:47
			EPO; JPO;	
			DERWENT;	1
			IBM TDB	
_	2580	portable and ((voice or speech or audio)	USPAT;	2003/06/18 16:39
		adj recognition\$1)	EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	460	portable with ((voice or speech or audio)	USPĀT;	2003/06/18 16:39
		adj recognition\$1)	EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	10	(portable with ((voice or speech or audio)	USPAT;	2003/06/18 16:39
		adj recognition\$1)) with ((personal adj	EPO; JPO;	
		computer\$1) or PC\$1)	DERWENT;	
		•	IBM TDB	
-	1623	((voice or speech or audio) adj	USPAT;	2003/06/18 16:53
		recognition\$1) and ((hidden adj markov) or	EPO; JPO;	
		HMM)	DERWENT;	
			IBM TDB	
_	1449	(speech adj recognition\$1) and ((hidden	USPĀT;	2003/06/18 16:55
		adj markov) or HMM)	EPO; JPO;	
		_	DERWENT;	
			IBM TDB	
_	2	("5390278").PN.	USPAT;	2003/06/18 16:55
		,	EPO; JPO;	
			DERWENT;	
			IBM TDB	